

Work Order ID 96258

Monday, January 21, 2013 1:11:53 PM

96258

Page 1

Item ID: D3315-2

Accept

N900040100

Setup Start ***NS1***

Revision ID: U/R

Item Name: Wearplate

Stop ***NS2***

Start Date: 1/21/2013 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/23/2013 Req'd Qty: 1.00

1

Customer:

Reference:

Release Rec. S
PRELIMINARY ADVISE
PRELIMINARY ISSUE

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3315

Rev B U/R

100

100

FLOW WATER JET

0.00

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D Dwg Rev: PC1 Prog Rev: PC1 2-Deburr if necessary

1010 1063

110

110

QC2- Inspect parts off machine FAI/FAIB

0.00

QC

Memo

0.00

Quality Control

120

120

QC8- Inspect parts - second check

0.00

QC

Memo

0.00

Quality Control

DAS
16
13/1/23

to PC2 Dwg only

inspect as per Dwg PC1

B13-1-22
Jan 13-21

B13-1-22
Jan 13-21

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION <div style="display: flex; flex-direction: column; align-items: center;"> <div>Rework <input type="checkbox"/></div> <div>Scrap <input type="checkbox"/></div> <div>Use-as-is <input type="checkbox"/></div> <div>Work Order Update <input type="checkbox"/></div> </div>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Skid-tube <input type="checkbox"/></div> <div>Machining <input type="checkbox"/></div> <div>Thermoforming <input type="checkbox"/></div> <div>Large Fab <input type="checkbox"/></div> </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Crosstube <input type="checkbox"/></div> <div>Small Fab <input type="checkbox"/></div> <div>Finishing <input type="checkbox"/></div> <div>Composite <input type="checkbox"/></div> </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Water Jet <input type="checkbox"/></div> <div>Prod. Eng. Coord. <input type="checkbox"/></div> <div>Rec/Store/Packaging <input type="checkbox"/></div> <div>Supplier <input type="checkbox"/></div> </div> <div style="display: flex; flex-direction: column; align-items: center;"> <div>Engineering <input type="checkbox"/></div> <div>Quality <input type="checkbox"/></div> <div>Other <input type="checkbox"/></div> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Work Order ID 96258

96258

Page 2

Monday, January 21, 2013 1:11:53 PM

Item ID: D3315-2

Accept

N900040100

Setup Start ***NS1***

Revision ID: U/R

Item Name: Wearplate

Stop ***NS2***

Start Date: 1/21/2013 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/23/2013 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID Tool # Plan
Code Accept Reject Reject Insp.
Qty Qty Number Stamp

130

130

Small Fab

Small Fab

0.00

Memo

0.00

Small Fab

Deburr if necessary

W/n

140

140

Brake NC

NC BRAKE

0.00

Memo

0.00

Brake NC

1- Form using DT8751 Die as per Dwg D3315Rev: *LC1* 2- Form using
DT8179 Die and form joggle using DT8157 as per Dwg D3315Rev: *LC1*

SA 13/01/21

150

150

QC

QC6- Inspect dimensions to drawing

0.00

Memo

0.00

Quality Control

*test fitted up
slid thru*

**DAS
16
9-53**

13/1/23

Q

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION <div style="display: flex; justify-content: space-around;"> <div> <input type="checkbox"/> Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update </div> <div> <input checked="" type="checkbox"/> Skid-tube <input checked="" type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab </div> <div> <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite </div> <div> <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier </div> <div> <input type="checkbox"/> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other </div> </div>							
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Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
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N900040100

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Revision ID: U/R

Item Name: Wearplate

Stop ***NS2***

Start Date: 1/21/2013 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/23/2013 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

160

Large Fab

Large Fab

Memo

0.00

0.00

Weld hard surface using D3315-2T3 as per QSI 004 and Dwg D3315 Rev:

Qty	Part Number	Description	Batch A/R
N/A	7560 Hardcoat Rod		M124214

①

EL 13-1-23

170

170

QC

Quality Control

QC10- Inspect visual per QSI004- ground welds

0.00

Memo

0.00

AS 16

to PCZ Dwg
wh 13/2/23

180

180

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

AS 16

to PCZ Dwg
wh 13/1/23

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											

FAULT CATEGORY			
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Work Order ID 96258

96258

Page 4

Monday, January 21, 2013 1:11:53 PM

Item ID: D3315-2

Accept

N900040100

Setup Start *NS1*

Revision ID: U/R

Item Name: Wearplate

Stop *NS2*

Start Date: 1/21/2013 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/23/2013 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
---------	--------	-----------	------------	------------	---------------	-------------

190

Grey Sandtex (Ref 43 5 6) per QSI005 4.3

0.00

190

Powdercoat

Powder Coating

Memo

0.00

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

200

QC3- Inspect Part Finish

0.00

200

QC

Quality Control

Memo

0.00

210

Packaging

0.00

210

Packaging

Packaging

Memo

0.00

Identify on inside surface using a permanent fine point marker with the following: TCCA-PDA, Dart Aerospace Ltd. P/N: D3315-2, B/N: BXXXXX For Product Eligibility see PDA04-17 and Stock Location:

ST 520

1/23/13 ①

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>						
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector			
Doc/Data <input type="checkbox"/>												
Equip/Tooling <input type="checkbox"/>												
Operator <input type="checkbox"/>												
Material <input type="checkbox"/>												
Setup <input type="checkbox"/>												
Other <input type="checkbox"/>												
Process <input type="checkbox"/>												
Supplier <input type="checkbox"/>												
Training <input type="checkbox"/>												
Unapproved <input type="checkbox"/>												
FAULT CATEGORY												
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other	

Work Order ID 96258

96258

Page 5

Monday, January 21, 2013 1:11:53 PM

Item ID: D3315-2

Accept

N900040100

Setup Start *NS1*

Revision ID: U/R

Item Name: Wearplate

Stop *NS2*

Start Date: 1/21/2013 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/23/2013 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

220

QC21- Final Inspection - Work Order Release

0.00

220

QC

Memo

0.00

Quality Control

13/3/5

POSITIVE RECALL

EFFECTIVE 13-1-21 AUTH

RELEASED DAS DATE 13/2/28

inspects to be
Dug

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION <div style="display: flex; justify-content: space-around;"> <div> <input type="checkbox"/> Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update </div> <div> <input type="checkbox"/> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab </div> <div> <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite </div> <div> <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier </div> <div> <input type="checkbox"/> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
--	---	---

☐ Ovalized
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge

☐ Pressure/Forced
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Print

Monday, January 21, 2013 1:11:52 PM

Page 1

Work Order ID: 96258
 Parent Item: D3315-2
 Parent Item Name: Wearplate

Start Date: 1/21/2013
 Start Qty: 1.00

Required Date: 1/23/2013
 Required Qty: 1.00

Comments: IPP: A05.05.12New issueKJ/JLM
 IPP Rev:B As per Rev B 06-03-24 JLM
 IPP RevC now water jet 07-12-06 DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M1010S16GA 1010/1025 sheet 16GA		Purchased	No			100	sf	155.3000	1.695	1.695 1.7			

Location
 MAT019

Loc Qty
 155.3

Loc Code

124193
 124254

76.3
 79

124254

Jm13-1-21

RB13-1-22



NCR: Yes / No

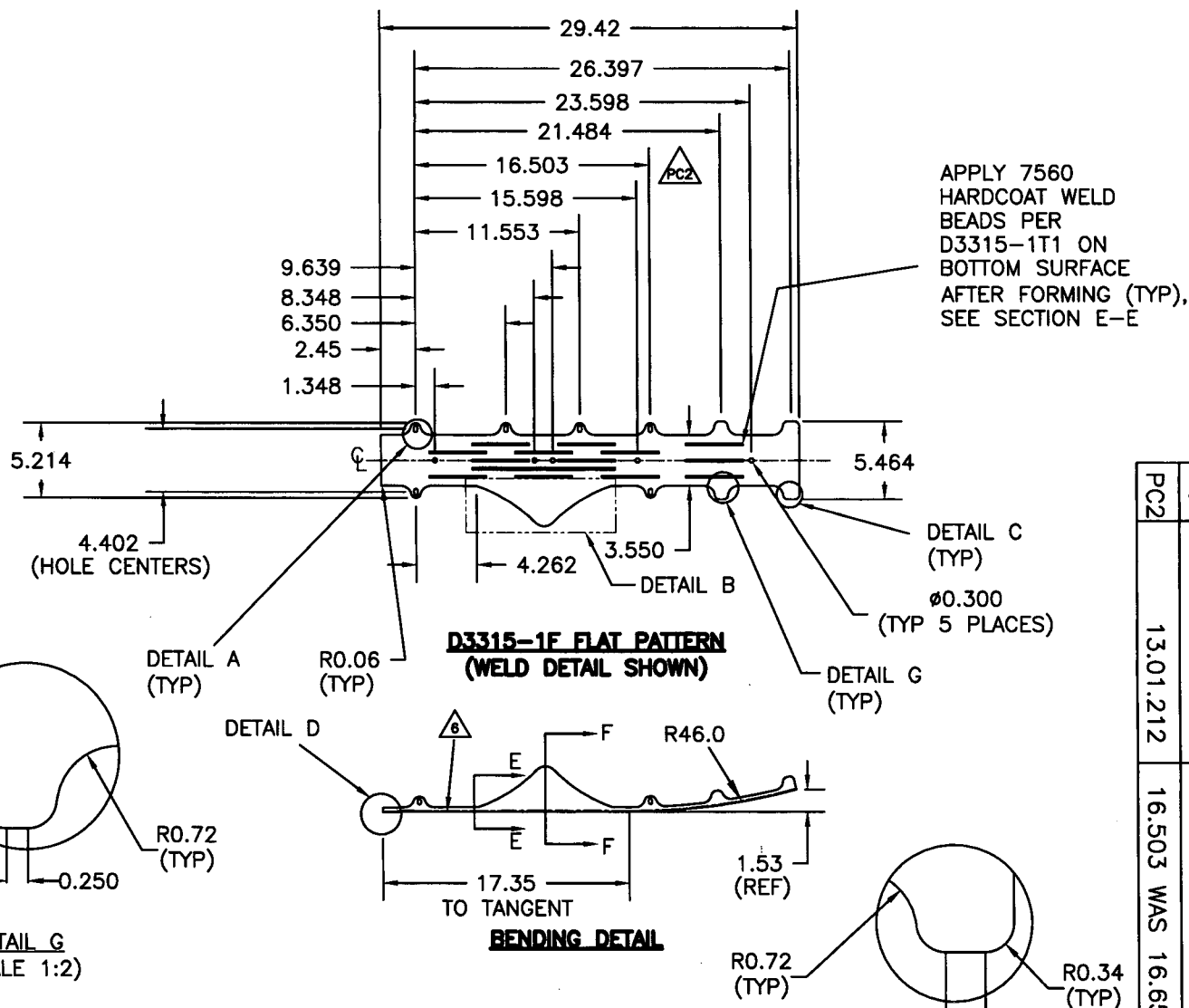
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13.01.22
PRELIMINARY ISSUE

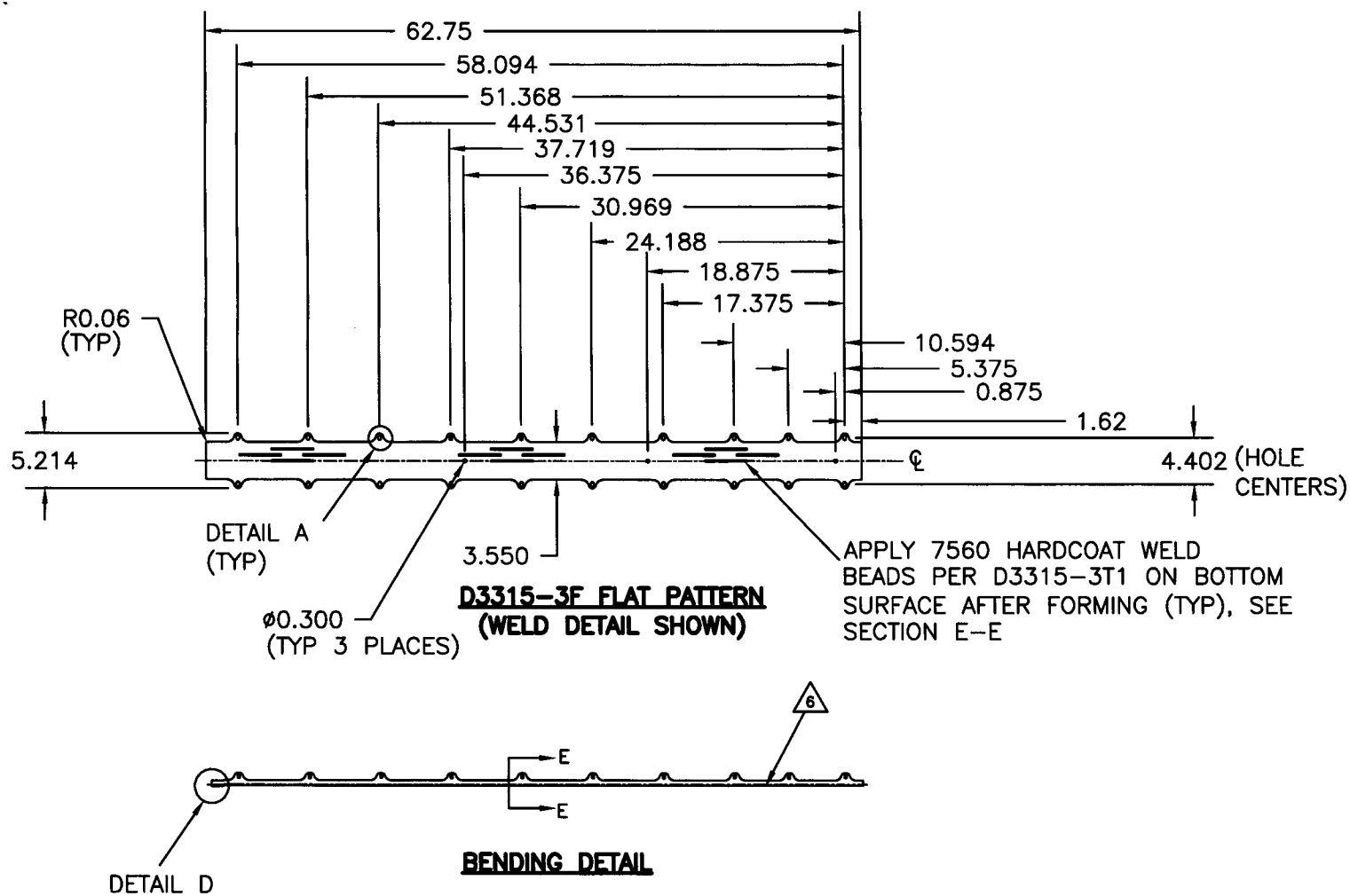


DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO. D3315
DATE 13.01.22	TITLE WEARPLATE	REV. PC2 SHEET 1 OF 4
A	04.09.10	NEW ISSUE
B	06.01.31	UPDATE DIMENSIONS
PC1	13.01.21	RE-DESIGN -1F. REF: NCR12-1750
PC2	13.01.212	16.503 WAS 16.653

D3315-1 WEARPLATE SHOWN (-2 OPPOSITE)

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 16 GAUGE (0.060 THICK)
- 2) FINISH: POWDER COAT GREY SANDTEX (REF.4.3.5.6) PER DART QSI 005 4.3
- 3) WELD PER DART QSI 004
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) IDENTIFY ON INSIDE SURFACE AS INDICATED
 *TCCA-PDA, DART AEROSPACE LTD., P/N D3315-X
 B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-17"

22.01.22

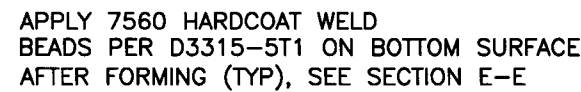
1:16

- D3315-3 WEARPLATE SHOWN (-4 OPPOSITE)**
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 16 GAUGE (0.060 THICK)
 - 2) FINISH: POWDER COAT GREY SANDTEX (REF.4.3.5.6) PER DART QSI 005 4.3
 - 3) WELD PER DART QSI 004
 - 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 5) ALL DIMENSIONS ARE IN INCHES
 - 6) IDENTIFY ON INSIDE SURFACE AS INDICATED
"TCCA-PDA, DART AEROSPACE LTD., P/N D3315-X
B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-17"

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13.06.22

IN AEROSPACE
HAWKESBURY, ONTARIO, CANADA



APPLY 7560 HARDCOAT WELD
BEADS PER D3315-5T1 ON BOTTOM SURFACE
AFTER FORMING (TYP), SEE SECTION E-E



- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 16 GAUGE (0.060 THICK)
- 2) FINISH: POWDER COAT GREY SANDTEX (REF.4.3.5.6) PER DART QSI 005 4.3
- 3) WELD PER DART QSI 004
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSION ARE IN INCHES
- 6) IDENTIFY ON INSIDE SURFACE AS INDICATED
"TCCA-PDA, DART AEROSPACE LTD., P/N D3315-X
B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-17"

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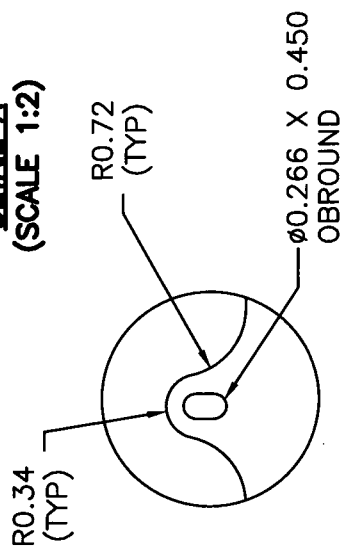
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PRELIMINARY ISSUE

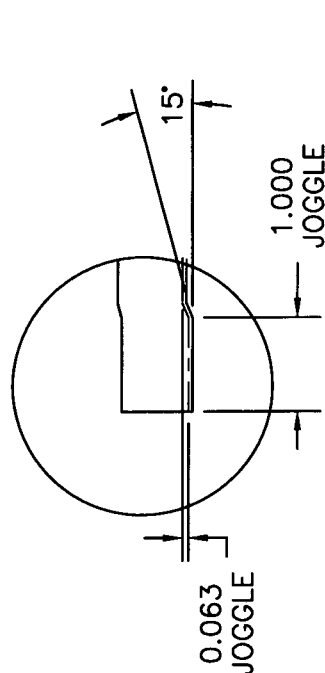
13.01.22

DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3315	REV. PC2 SHEET 4 OF 4
DATE 13.01.22		TITLE WEARPLATE	SCALE NTS

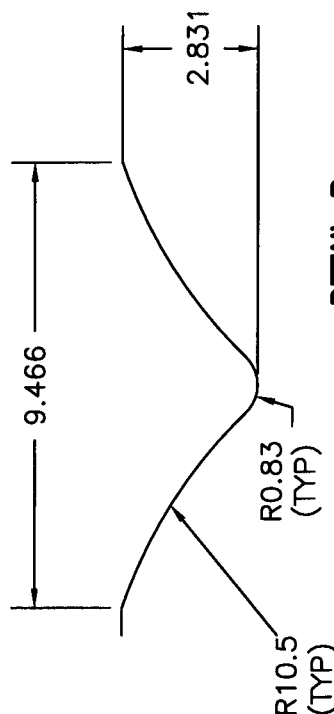
DETAIL A
(SCALE 1:2)



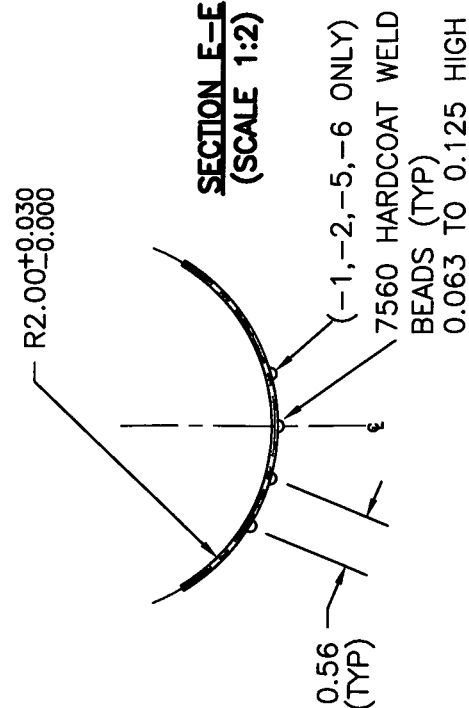
DETAIL D
(SCALE 1:2)



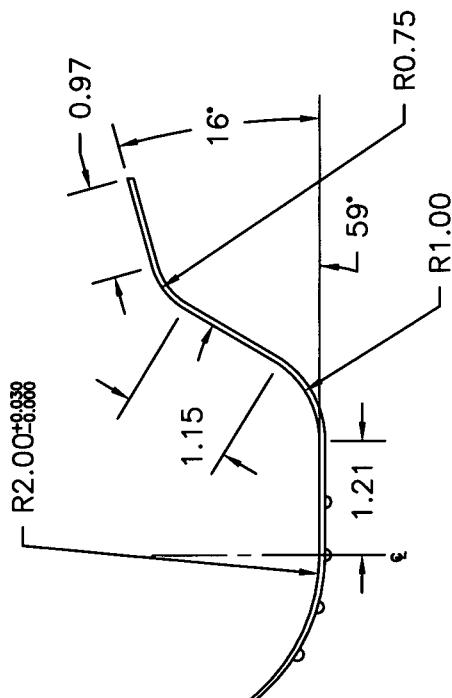
DETAIL B
(SCALE 1:4)



SECTION E-E
(SCALE 1:2)

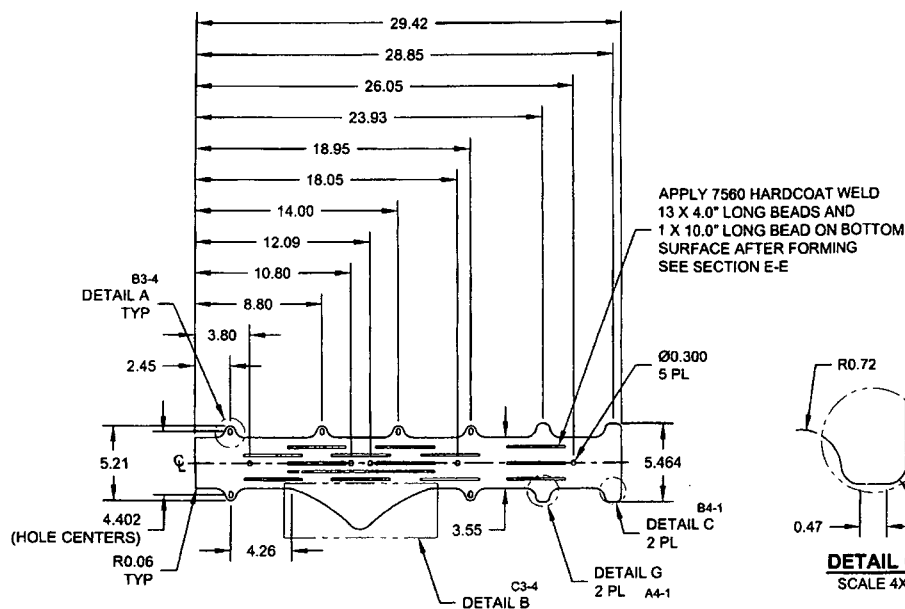


SECTION F-F
(SCALE 1:2)

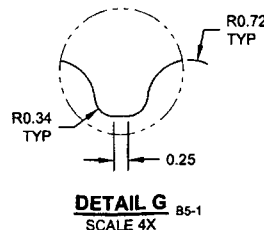
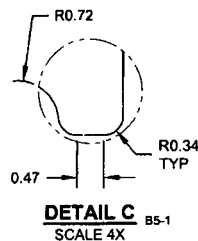


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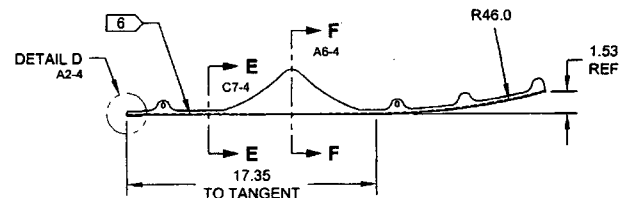
APPLY 7560 HARDCOAT WELD
13 X 4.0" LONG BEADS AND
1 X 10.0" LONG BEAD ON BOTTOM
SURFACE AFTER FORMING
SEE SECTION E-E



D3315-1F FLAT PATTERN
(D3315-1 SHOWN, D3315-2 OPPOSITE)

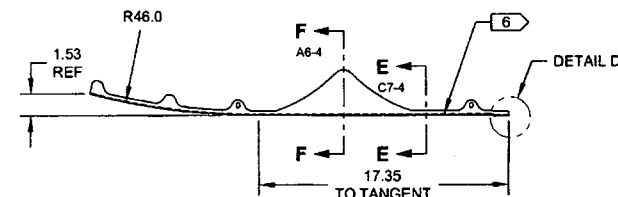
D3315-1/2-1F NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL, 16 GAUGE (0.060 THICK) REF. DART SPEC. M1010GA16
- 2) FINISH: POWDER COAT "GREY SANDEXT" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH "TCCA-PDA, DART AEROSPACE LTD., P/N D3315-X B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-17" PER DART QSI 044 6.5 (LABEL)
- 7) WEIGHT: 2.15 lbs
- 8) WELDING: PER DART QSI 004
- 9) WATERJET PROGRAMMING: PER D3315-1F_REV.C.DXF



D3315-1 WEARPLATE
MAKE FROM D3315-1F

RELEASED
R 2013-02-14



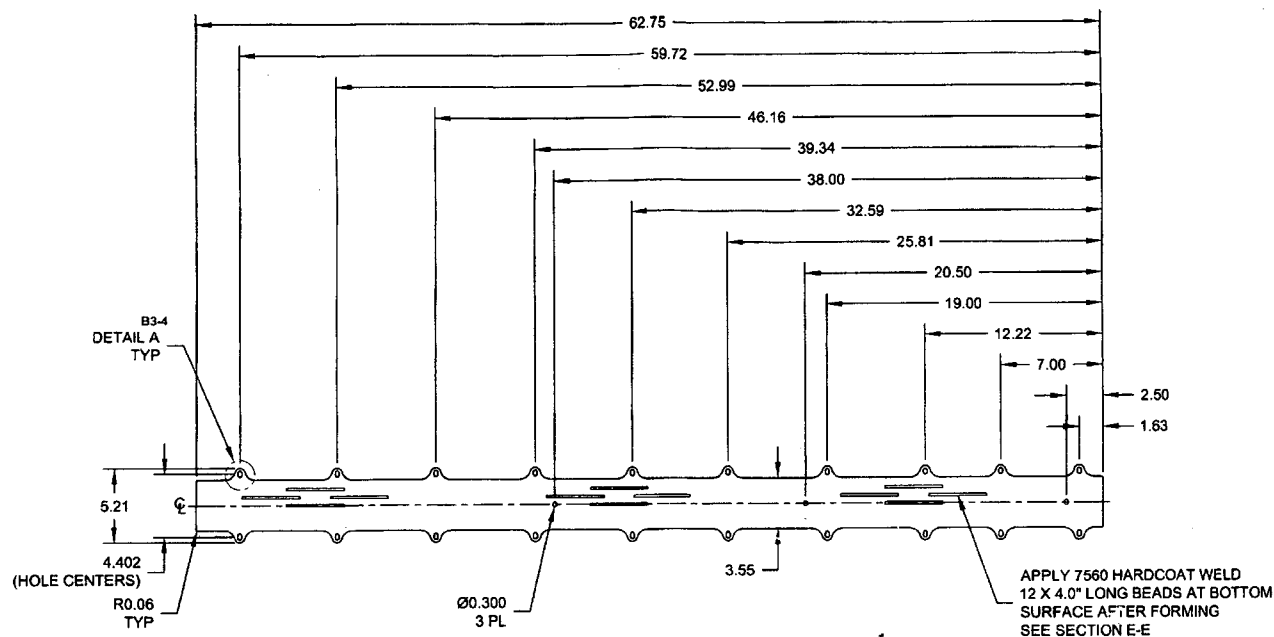
D3315-2 WEARPLATE
MAKE FROM D3315-1F

C	UPDATED DWG TO CURRENT STD; RE-DESIGNED -1F; CORRECTED DRAFTING ERRORS ON -5F; DIMS REVIEWED ON 1/F-3/F-5F. REF: NCR12-1750.	MB	13.01.22
B	UPDATE DIMENSIONS	PH	08.01.31
A	NEW ISSUE	PH	04.08.10
REV.	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN	PH		
CHECKED	CP		
MFG. APPR.	PH		
APPROVED	PH		
DE APPR.	PH		
DATE	13.01.22		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3315
TITLE WEARPLATE
REV. C
SHEET 1 OF 4
SCALE NTS

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D3315-3F FLAT PATTERN
(D3315-3 SHOWN, D3315-4 OPPOSITE)



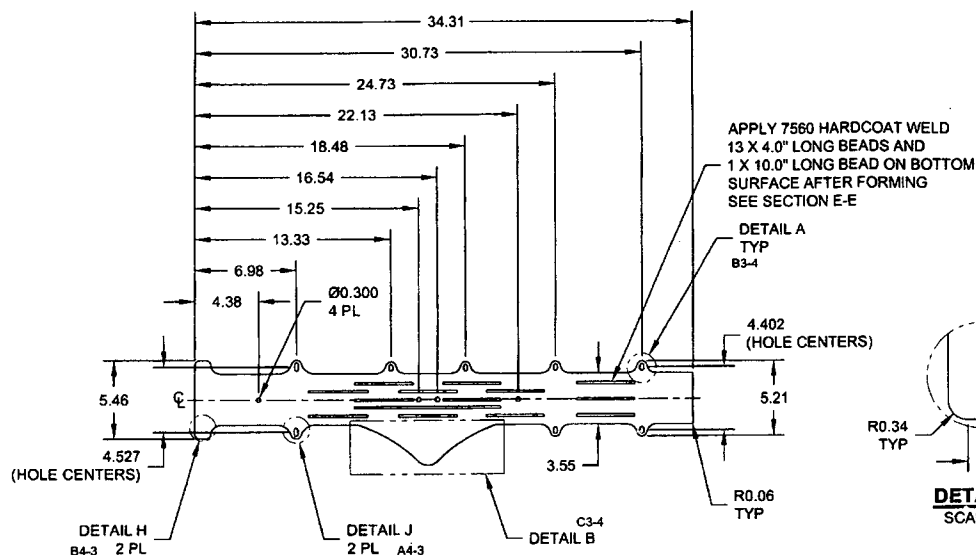
D3315-3/-4 WEARPLATE
MAKE FROM D3315-3F

D3315-3/-4/-3F NOTES:

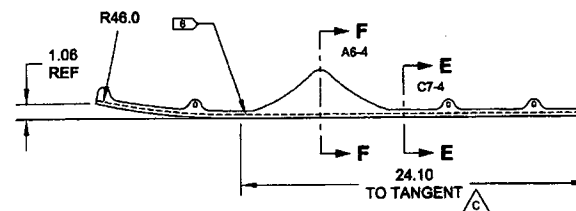
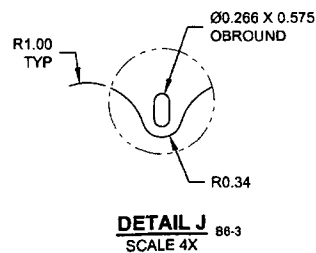
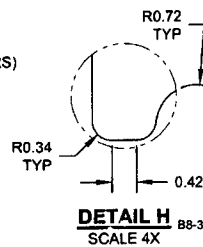
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL, 16 GAUGE (0.060 THICK) REF. DART SPEC. M1010GA16
- 2) FINISH: POWDER COAT "GREY SANDEXT" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH "TCCA-PDA, DART AEROSPACE LTD., P/N D3315-X B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-17" PER DART QSI 044 6.5 (LABEL)
- 7) WEIGHT: 4.15 lbs
- 8) WELDING: PER DART QSI 004
- 9) WATERJET PROGRAMMING: PER D3315-3F_REV.C.DXF

DESIGN	PH	DART AEROSPACE LTD	
DRAWN	PH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. C
MFG. APPR.	MD	D3315	SHEET 2 OF 4
APPROVED	MD	TITLE	SCALE
DE APPR.	MD	WEARPLATE	NTS
DATE	13.01.22	COPYRIGHT © 2004 BY DART AEROSPACE LTD	
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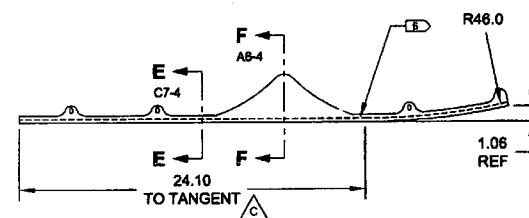
RELEASED
2013-02-16
NR



D3315-5F FLAT PATTERN
(D3315-5 SHOWN, D3315-6 OPPOSITE)



D3315-5 WEARPLATE
MAKE FROM D3315-5F



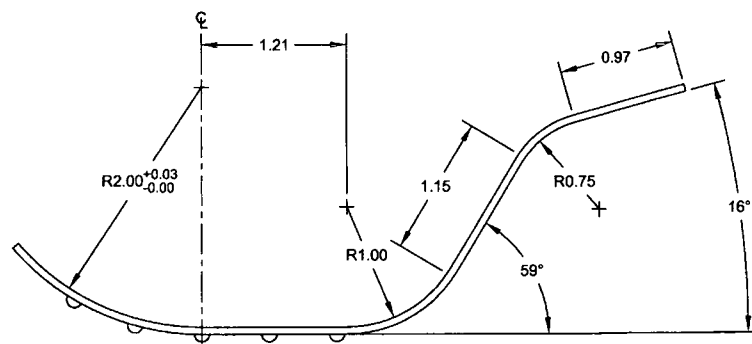
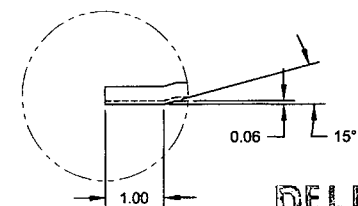
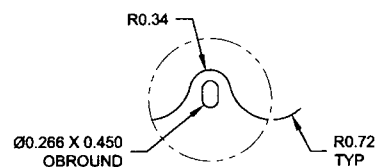
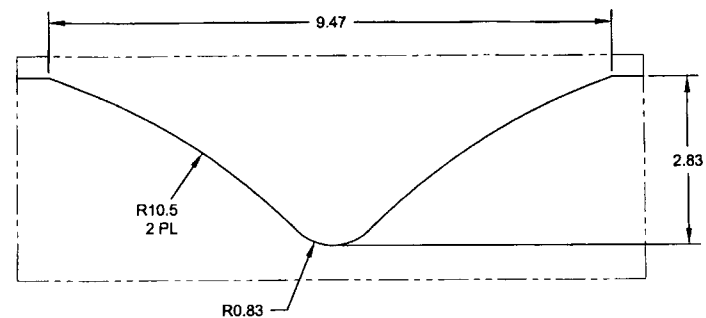
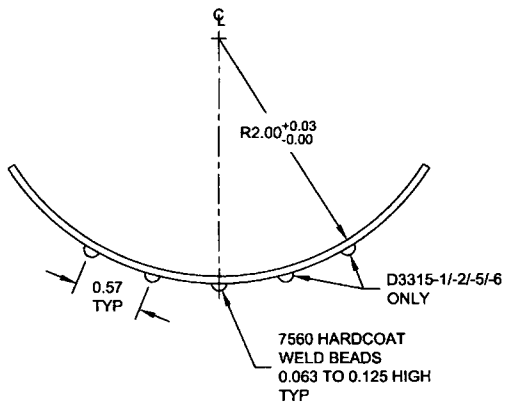
D3315-6 WEARPLATE
MAKE FROM D3315-5F

D3315-5/-6/-5F NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL, 16 GAUGE (0.060 THICK) REF. DART SPEC. M1010GA16
- 2) FINISH: POWDER COAT "GREY SANDEXT" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH "TCCA-PDA, DART AEROSPACE LTD., P/N D3315-X B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-17" PER DART QSI 044 6.5 (LABEL)
- 7) WEIGHT: 2.15 lbs
- 8) WELDING: PER DART QSI 004
- 9) WATERJET PROGRAMMING: PER D3315-5F_REV.C.DXF

RELEASED
2013-02-16

DESIGN	PM	DART AEROSPACE LTD	
DRAWN	A	HAWKESBURY, ONTARIO, CANADA	
CHECKED	Y	DRAWING NO.	REV. C
MFG APPR.	M	D3315	SHEET 3 OF 4
APPROVED	W	TITLE	SCALE
DE APPR.	W	WEARPLATE	NTS
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DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3315	SHEET 4 OF 4
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE	NTS
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2013-02-14